

Art Unit: ~~2802~~

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Claims 1-22 canceled.

- 20 23. A camera comprising:
- a first lens for performing a magnification operation;
- a second lens for correcting movement of a focal plane during movement of said first lens;
- 25 lens moving means for independently moving said first and second lenses to be parallel to an optical axis;

- 1 extracting means for extracting a high frequency
component from a video signal of a photographed object;
and
first moving condition switching means for
5 switching a moving condition of said second lens during
movement of the first lens so that a high frequency
component amount of the video signal changes.

24. A camera according to claim 23, wherein said
10 first moving condition switching means switches the
moving condition of said second lens on the basis of
the high frequency component of the video signal.

25. A camera comprising:
15 a first lens for performing a magnification
operation;
a second lens for correcting movement of a focal
plane during movement of said first lens;
lens moving means for independently moving said
20 first and second lenses to be parallel to an optical
axis;
extracting means for extracting a high frequency
component from a video signal of a photographed object;
second moving condition switching means for
25 switching the moving condition of said second lens so
as to increase or decrease a high frequency component
amount of the video signal on the basis of the high

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- 1 frequency component amount of the video signal during
movement of said first lens; and
- control means for controlling so that an angle
formed between a first synthetic vector between the
5 moving direction of said first lens and the moving
direction of said second lens for maintaining the
focused condition of said second lens during movement
of said first lens and a second synthetic vector based
on the moving directions of said first and second
10 lenses prior to switching by said second moving
condition switching means is set equal to an angle
formed between the first synthetic vector and a third
synthetic vector based on the moving directions of said
first and second lenses upon switching by said second
15 moving condition switching means.

26. A camera according to claim 25, wherein said
control means changes a magnitude of the angle formed
between the first synthetic vector and the second or
20 third synthetic vector during movement of said first
lens in accordance with a focal length.

27. A camera according to claim 25, wherein said
control means changes a magnitude of the angle formed
25 between the first synthetic vector and the second or
third synthetic vector during movement of said first
lens in accordance with a depth of field.

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1 28. A camera according to claim 25, wherein said
control means changes a magnitude of the angle formed
between the first synthetic vector and the second or
third synthetic vector during movement of said first
5 lens in accordance with an object luminance.

29. A camera comprising:

a first lens for performing a magnification
operation;

10 a second lens for correcting movement of a focal
plane during movement of said first lens;

lens moving means for independently moving said
first and second lenses to be parallel to an optical
axis;

15 extracting means for extracting a high frequency
component from a video signal of a photographed object;

third moving condition switching means for
switching the moving condition of said second lens so
as to increase or decrease a high frequency component
20 amount of the video signal on the basis of the high
frequency component amount of the video signal every
time the high frequency component amount of the video
signal reaches a predetermined level value during
movement of said first lens; and

25 holding means for peak-holding the predetermined
level value in accordance with a change in the high
frequency component of the video signal; and

1 hold releasing means for releasing peak holding of
the predetermined level value.

30. A camera according to claim 29, wherein said
5 hold releasing means releases peak holding of the
predetermined level value when the moving condition of
said second lens is switched by said third moving
condition switching means.